

## **INTEGRATED PEST MANAGEMENT FOR MASTER GARDENERS 2006**

### **Project leaders**

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### **Cooperators**

Jay Dee Gunnell, Davis County Horticulturist  
Gretchen Campbell, Utah State University Advanced Master Gardener Coordinator  
Utah County Master Gardener Organization  
Davis County Master Gardener Organization  
Thanksgiving Point Advanced Master Gardeners  
Tooele County Master Gardener Organization  
Salt Lake County Advanced Master Gardeners  
Cache County Master Gardeners  
Utah State University Horticulture Agents Group

### **Situation Statement**

**This is a continuation of the project funded in 2005. That was a very successful program but the scope of the program requires additional inputs to finish it. The following parts of the CD PowerPoint Presentations and the written materials were completed in 2005 grant.**

**Ornamental Tree Diseases Pathogenic  
Ornamental Tree Diseases Nonpathogenic  
Ornamental Tree Insects  
Flower Diseases Pathogenic  
Flower Diseases Nonpathogenic  
Flower Insects  
Turfgrass Diseases Pathogenic  
Turfgrass Diseases Nonpathogenic  
Turfgrass Insects**

**The following parts of the CD PowerPoint Presentations and the written materials will be completed as from the funding in 2006.**

**Fruit Tree Diseases Pathogenic  
Fruit Tree Diseases Nonpathogenic  
Fruit Tree Insects  
Vegetable Diseases Pathogenic  
Vegetable Diseases Nonpathogenic  
Vegetable Insects  
Interior Plant Diseases Pathogenic  
Interior Plant Diseases Nonpathogenic  
Interior Plant Insects  
Rose Diseases Pathogenic  
Rose Diseases Nonpathogenic**

## **Rose Plant Insects**

Many Master Gardeners volunteer for Utah State University Extension Service each year. Many of these volunteer in diagnostic clinics and some are in counties without horticultural expertise. Many could and would do much more to help Extension programs but they lack diagnostic training. Most of the Master Gardener classes have less than five hours of training and this is not sufficient training for most volunteers to feel comfortable diagnosing plant problems

There is a critical need to train these Master Gardener Volunteers in pest identification and in Integrated Pest Management techniques because they contact so many gardeners in classes and workshops each year.

Providing additional training would better help Master Gardeners to staff diagnostic clinics, do additional workshops and classes incorporating IPM techniques. It would also help them answer questions at Master Gardener booths at state and county fairs, home and garden shows and other venues.

Providing this training is essential to keep Master Gardeners up to date and to keep them excited and motivated to continue to help Utah State University Extension with disseminating horticultural information.

This information will be placed on the USU website but the CD format is very important because Master Gardeners often host clinics where they do not have internet access but computer access is usually available.

### **Objectives**

- Develop diagnostic and IPM training materials for Master Gardeners on a statewide basis.
- Provide an Integrated Pest Management and a diagnostic CD to each Master Gardener trained in Utah in 2006.
- Train 100 Utah State University Advanced Master Gardeners in pest identification and advanced IPM practices for trees and shrubs.
- Train 65 Utah State University beginning Master Gardeners in basic IPM practices and in techniques to share those with the public.
- Develop printed fact sheets that outline Integrated Pest Management for distribution by Master Gardeners at educational events.

### **Procedures**

- Train 75 Utah State University Advanced Master Gardeners in advanced diagnostic and pest management techniques emphasizing IPM Practices at workshops held on a regional basis between May 15 and September 1, 2005.
- Train 65 Utah State University Extension Beginning Master Gardeners in basic IPM practices and sharing information with the public. Focus IPM technique training to change pesticide use practices and reduce pesticide impacts.
- Develop and implement concise IPM materials for inclusion in the Statewide Master Gardener manual to be used starting September 2006.

- Develop and implement concise, reproducible IPM fact sheets for inclusion in county and State events for 2006.
- Disseminate Integrated Pest Management information in an article published in a statewide newspaper and two regional newspapers. Disseminate information through the USU information office to all media outlets in the state.
- Offer IPM training on a statewide and regional basis through two radio programs. Include IPM information on web sites for KSL radio and television, and Utah State University.

Techniques

Finish the CD ROM Pest Control, Diagnostics and IPM manual for Horticultural Plants that will be distributed to all advanced Master Gardeners as a resource and as part of their training.

- Train Fifty Utah State University Advanced Master Gardeners in advanced diagnostic and IPM techniques in Tooele, Salt Lake, Davis, Cache and Utah Counties. The training will be conducted by USU Extension Horticulture Agents, USU Paraprofessionals and appropriate USU Specialists.
- Classes and training will be done in two parts. They will include classroom sections and outdoor, hands-on clinics.
- The training will be evaluated by pre and post testing to determine the knowledge and skills gained by teaching integrated pest management techniques and diagnostic techniques Master Gardeners.

**Budget**

Audiovisual equipment, supplies, and materials to develop training aides	\$	600.00
Travel	\$	865.00
Workshop supplies and preparation	\$	550.00
Preparation and reproduction of diagnostic and IPM CD	\$	1,000.00
Contract help for preparing diagnostic CD and IPM materials	\$	850.00
<b>Total</b>	<b>\$</b>	<b>3,865.00</b>

**FUNDING SOURCES**

<b>IPM Mini Grant</b>	<b>\$</b>	<b>1,800.00</b>
<b>Other Sources</b>		
Funding provided by County Master Gardeners organizations	\$	1,200.00
In-kind contributions from Master Gardeners and USU counties	\$	865.00
<b>Total</b>	<b>\$</b>	<b>3,865.00</b>